

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/064717 A1

(51) International Patent Classification⁷: **H01M 4/86**, 8/12

Labs S.p.A., Viale Sarca, 222, I-20126 Milano (IT). **DUBITSKY, Yuri, A.** [RU/IT]; c/o Pirelli Labs S.p.A., Viale Sarca, 222, I-20126 Milano (IT).

(21) International Application Number:

PCT/EP2003/014999

(74) Agents: **BOTTERO, Claudio** et al.; Porta, Checcacci & Associati S.p.A., Via Trebbia, 20, I-20135 Milano (IT).

(22) International Filing Date:

24 December 2003 (24.12.2003)

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language:

English

Published:

— with international search report

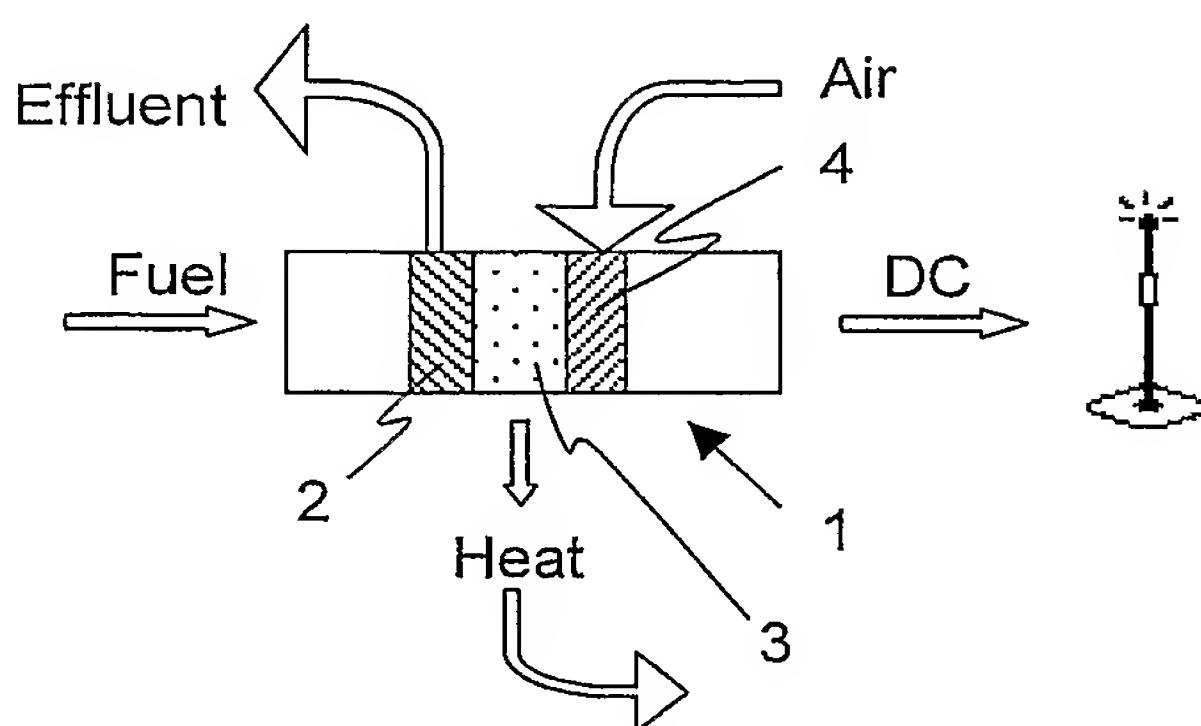
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant (for all designated States except US): **PIRELLI & C. S.P.A.** [IT/IT]; Via Gaetano Negri, 10, I-20123 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LOPES CORREIA TAVARES, Ana, Berta** [PT/IT]; c/o Pirelli Labs S.p.A., Viale Sarca, 222, I-20126 Milano (IT). **KUZIN, Boris, L.** [RU/RU]; 40/2 Posadskaja Street, flat 7, 620086 Ekaterinburg (RU). **BOGDANOVICH, Nina, M.** [RU/RU]; 185 Bazhova Street, flat 37, 620026 Ekaterinburg (RU). **BERESNEV, Sergey, M.** [RU/RU]; 16 Krasnolesie Street, flat 31, 620016 Ekaterinburg (RU). **KURUMCHIN, Edhem, Kh.** [RU/RU]; 14/1 Krasnolesie Street, flat 5, 620016 Ekaterinburg (RU). **ZAOPO, Antonio** [IT/IT]; c/o Pirelli

(54) Title: SOLID OXIDE FUEL CELL



(57) Abstract: Solid oxide fuel cell including an anode which comprises a cermet activated by a catalyst for hydrocarbon oxidation, process for the preparation thereof, and method for the production of energy exploiting it.

WO 2005/064717 A1